

AMENDMENTS IN THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

Claim 1 (Previously Presented): An image processing apparatus that executes predetermined signal processing on an input signal and outputs an image signal generated to driving means of a display apparatus, the image processing apparatus comprising:

superposing means for superposing control data for controlling the driving means on a vertical blanking data segment of the image signal, the control data being composed of a plurality of data elements, each data element being composed of a data byte that is repeated multiple times with each clock signal of the image processing apparatus to generate a repetitive data element series for each data element; and

outputting means for outputting the image signal with the control data superposed thereon to the driving means;

wherein the control data is provided for control parameters of the display apparatus that is to be controlled by the driving means.

Claims 2-3 (Cancelled).

Claim 4 (Original): The image processing apparatus according to Claim 1, wherein the parameters include a parameter representing whether an image is reversed.

Claim 5 (Original): The image processing apparatus according to Claim 1, wherein the parameters include a parameter representing the presence of absence of white balance.

Claim 6 (Original): The image processing apparatus according to Claim 1, wherein the parameters include a parameter for controlling backlight.

Claim 7 (Previously Presented): An image processing method comprising:
a superposing step of superposing control data for controlling driving means of a display apparatus on a vertical blanking data segment of an image signal that is input to the driving means, the control data being composed of a plurality of data elements, each data element being composed of a data byte that is repeated multiple times with each clock signal of an image processing apparatus to generate a repetitive data element series for each data element; and

a sending step of sending the image signal with the control data superposed thereon to the driving means;

wherein the control data is provided for control parameters parameter of the display apparatus that is to be controlled by the driving means.

Claim 8 (Currently Amended): A display apparatus comprising:
a display configured to display an image;
driving means for driving the display; and
extracting means for extracting control data for controlling the display, the control data being superposed on a vertical blanking data segment of an input image signal, the control data being composed of a plurality of data elements, each data element being composed of a data byte that is repeated multiple times with each clock signal of an image processing apparatus that generated the image signal, to generate a repetitive data element series for each data element;

wherein the driving means drives the display based on the parameters included in the control data extracted by the extracting means so that an image corresponding to the image signal is displayed, and

wherein the extracting means integrates the control data for each parameter, and uses data according to a result of the integration as the control data.

Claims 9-11 (Cancelled).

Claim 12 (Currently Amended): A display method comprising:

an extracting step of extracting control data for controlling driving means of a display apparatus configured to display an image, the control data being superposed on a vertical blanking data segment of an image signal that is sent to the driving means, the control data being composed of a plurality of data elements, each data element being composed of a data byte that is repeated multiple times with each clock signal of an image processing apparatus that generated the image signal, to generate a repetitive data element series for each data element; and

a driving step of driving the display apparatus based on the parameters included in the control data extracted by processing in the extracting step,

wherein the extracting step of the control data is performed by using a latch pulse at a specific timing that is generated in sync with a vertical synchronization signal of the input image signal, and by extracting one of the data bytes that is repeated multiple times from the repetitive data element series.

Claim 13 (Currently Amended): An electronic apparatus comprising:

an image processor configured to execute predetermined signal processing on an input signal and to output an image signal;

a display controller configured to receive input of the image signal; and

a display driven by input of a driving signal output from the display controller;

wherein the image processor superposes control data including parameters for the display that is to be controlled by the display controller on a segment in which vertical blanking data of the image signal is included, the control data being composed of a plurality of data elements, each data element being composed of a data byte that is repeated multiple times with each clock signal of the image processor to generate a repetitive data element series for each data element, and

wherein the display controller extracts the control data superposed on the image signal by using a latch pulse at a specific timing that is generated in sync with a vertical synchronization signal of the input image signal, and by extracting one of the data bytes that is repeated multiple times from the repetitive data element series, and outputs a driving signal for driving the display based on the parameters included in the control data extracted.

Claim 14 (Previously Presented): The display apparatus according to Claim 8, wherein the extracting of the control data is performed by using a latch pulse at a specific timing that is generated in sync with a vertical synchronization signal of the input image signal, and by extracting one of the data bytes that is repeated multiple times from the repetitive data element series.

Claim 15 (Cancelled).